

<b>UTILITY</b> <b>PATENT APPLICATION</b> <b>TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No.: <b>03-1094</b>	Total Pages: <b>21</b>
		First Named Inventor or Application Identifier <b>Russell J. Henry</b>	
		Express Mail Label No.: <b>ER 2666660565 US</b>	

<b>APPLICATION ELEMENTS</b> See MPEP Chapter 600 concerning utility patent application contents.	<b>Mail Stop Patent Application</b> <b>Commissioner for Patents</b> <b>P.O. Box 1450</b> <b>Arlington, VA 22313-1450</b>
--	---

1. <input checked="" type="checkbox"/> Fee Transmittal Form (Submit an original, and a duplicate for fee processing)  2. <input checked="" type="checkbox"/> Specification (incl. claims) (Total Pages: 17)  3. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) (Total Sheets: 4) <input type="checkbox"/> Informal <input checked="" type="checkbox"/> Formal Use Figure 7 for front page of Publication.  4. <input checked="" type="checkbox"/> Oath or Declaration (Total Pages: 2) a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 17 completed) [Note Box 5 below] <input type="checkbox"/> i. <u>DELETION OF INVENTOR(S)</u> Signed statement attached deleting Inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).  5. <input type="checkbox"/> Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.	6. <input type="checkbox"/> Microfiche Computer Program (Appendix)  7. Nucleotide and/or Amino Acid Sequence Submission (If applicable, all necessary) a. <input type="checkbox"/> Computer Readable Copy b. <input type="checkbox"/> Paper Copy (Identical to computer copy) c. <input type="checkbox"/> Statement verifying identity of above copies  <div style="border: 1px solid black; padding: 5px;"> <b>ACCOMPANYING APPLICATION PARTS</b>          8. <input checked="" type="checkbox"/> Assignment Papers (cover sheet &amp; document(s))          9. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input checked="" type="checkbox"/> Power of Attorney          10. <input type="checkbox"/> English Translation Document (if applicable)          11. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input checked="" type="checkbox"/> Copies of IDS Citations          12. <input type="checkbox"/> Preliminary Amendment          13. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503)          (Should be specifically itemized)          14. <input type="checkbox"/> Small Entity Statement(s) <input type="checkbox"/> Statement filed in prior application,          Status still proper and desired          15. <input type="checkbox"/> Certified Copy of Priority Document(s)          (If foreign priority is claimed)          16. <input type="checkbox"/> Other:       </div>
--	---

17. <input type="checkbox"/> If a <b>CONTINUING APPLICATION</b> , check appropriate box and supply the requisite information: <input type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No: /					
<b>18. CORRESPONDENCE ADDRESS</b>					
<input type="checkbox"/> Same as prior application <input checked="" type="checkbox"/> Correspondence address below					
NAME	Pete Scott Senior Corporate Counsel				
ADDRESS	Intellectual Property Law Department, LSI Logic Corporation Mail Stop D-106 1551 McCarthy Boulevard				
CITY	Milpitas	STATE	CA	ZIP CODE	95035
COUNTRY	U.S.A.	TELEPHONE	(719) 533-7969	FAX	

Attorney Docket No. 03-1094

19. ☐ Cancel in this application original claims: \_\_\_\_\_ of the prior application before calculating the filing fee.  
(At least one original independent claim is retained for this filing).

20. ☒ The filing fee is calculated below:

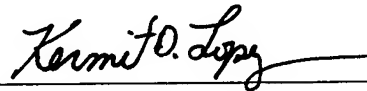
CLAIMS AS FILED, LESS ANY CLAIMS CANCELED BY ABOVE-INDICATED AMENDMENT(S)				
(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 CFR 1.16(c))	20 - 20 =	0	x \$ 18	= \$0.00
INDEPENDENT CLAIMS (37 CFR 1.16(b))	3 - 3 =	0	x \$ 84	= 00.00
MULTIPLE DEPENDENT CLAIMS (IF APPLICABLE) (37 CFR 1.16(d))		ANY -- 0	\$ 280	= \$ 0.00
BASIC FEE (37 CFR 1.16(a))				\$750.00
TOTAL				= \$750.00

21. ☒ The Commissioner is hereby authorized to charge any filing or prosecution fees which may be required, under 37 CFR 1.16, 1.17, and 1.21 (but not 1.18), or to credit any overpayment, to **LSI Logic Corporation**, Account No. **12-2252**. *An additional copy of this form is enclosed.*
22. ☒ This is an authorization under 37 CFR 1.136(a)(3) to treat any concurrent or future reply, requiring a petition for extension of time, as incorporating a petition for the appropriate extension of time.
23. ☐ Amend the specification by inserting before the first line the sentence:  
--This application is a ☐ continuation ☐ continuation-in-part ☐ divisional  
of Application(s) No(s). \_\_\_\_\_, filed \_\_\_\_\_.--
24. ☐ A CIP declaration is enclosed.
25. ☒ Power of Attorney
- a. ☐ The power of attorney appears in the original papers of the enclosed prior application.
- b. ☐ Enclosed is a copy of the declaration and power of attorney from the enclosed prior application.
- c. ☒ A new declaration with power of attorney is enclosed.

Attorney Docket No.: 03-1094

26. ☐ The following inventors named in the prior application are deleted per 37 CFR 1.53(b)(1), 1.63(d)(2) and 1.33 (b):
27. ☐ This application is adding one or more inventors under 37 CFR 1.48 to a previously executed application, with an enclosed: petition, fee, newly executed declaration from all inventors, and written consent of the assignee.
28. ☐ This application claims the priority benefit of one or more Provisional Application No(s). and the first sentence of this application has been or will be amended to so indicate.
29. ☐ Priority is claimed from  
(reinsert all previous priority claims for the entire chain of any prior applications).
30. ☐ This application is NOT to be published under 35 U.S.C. 122(b). The undersigned attorney or agent hereby certifies pursuant to 37 CFR §1.213, that the invention disclosed in this application has not been and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication at eighteen months after filing.
31. ☒ The assignee of this application to be indicated on its publication is LSI Logic Corporation.
32. ☐ Other paper(s) enclosed:

Respectfully submitted,



Kermit D. Lopez  
Signature per 37 CFR 1.33 & 34  
Date: August 18, 2003  
Registration No. 41,953  
Telephone No. (505) 255-4536

**CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)**Applicant(s): **Russell J. Henry**

Docket No.

**03-1094**

Serial No.

Not Yet Assigned

Filing Date

Not Yet Assigned

Examiner

Not Yet Assigned

Group Art Unit

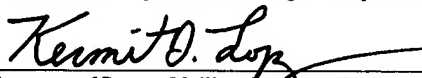
Not Yet Assigned

Invention: **Methods and Systems for End-to-End Data Protection in a Memory Controller**

I hereby certify that the following correspondence:

**United States Patent Application***(Identify type of correspondence)*

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

**August 18, 2003***(Date)***Kermit D. Lopez***(Typed or Printed Name of Person Mailing Correspondence)**(Signature of Person Mailing Correspondence)***ER 266660565 US***("Express Mail" Mailing Label Number)***Note: Each paper must have its own certificate of mailing.**